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REPRESENTATIVE

CONCRETE STRUCTURES

Built by

TUCKER & VINTON

TERMINAL BUILDING—41ST ST. & PARK AVE.
NEW YORK

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New York

THE following illustrations cover some of the more prominent structures erected by us in the past ten years, during which time we have devoted ourselves exclusively to concrete construction of every type.

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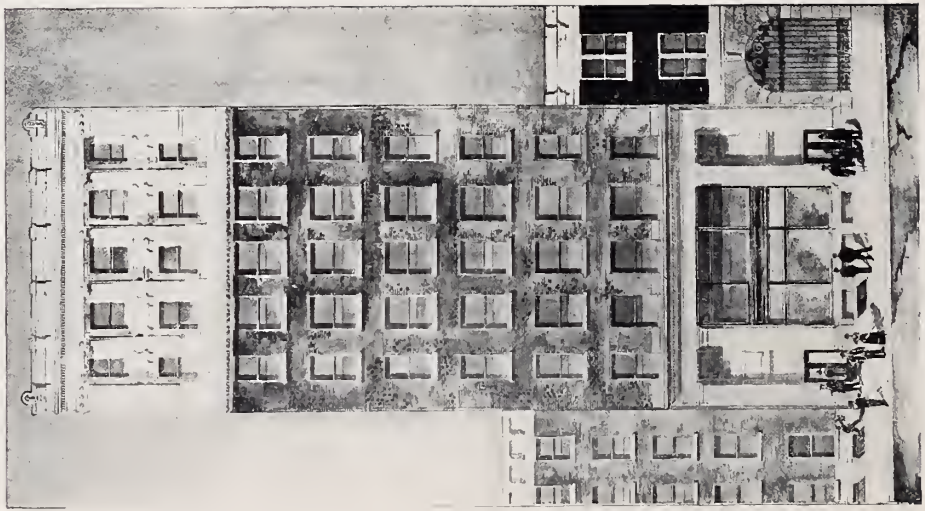
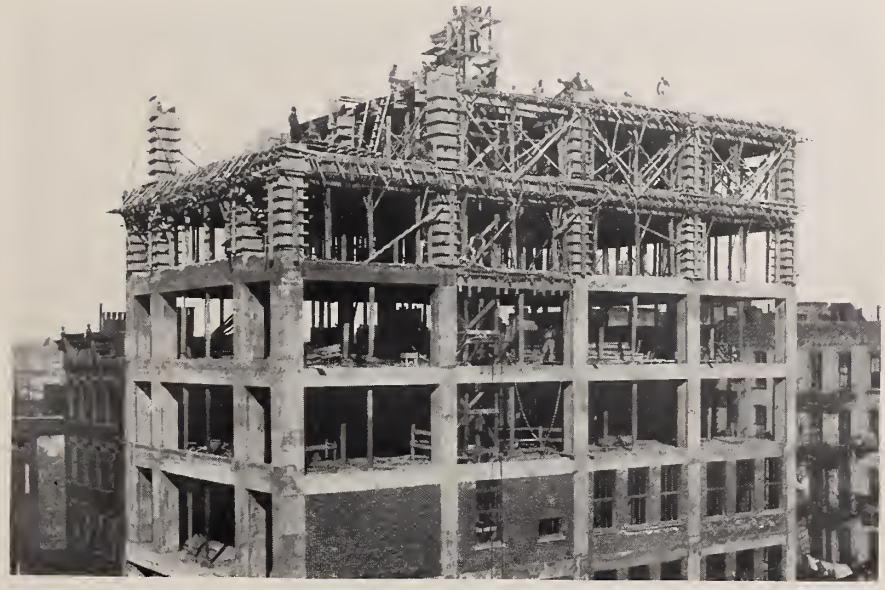
New York



THE McNULTY BUILDING,
549-551 West 52d Street, New York.
The first 10-story concrete loft building on Manhattan Island.



McNULTY BUILDING.
Tenth floor finished and the roof forms being set.

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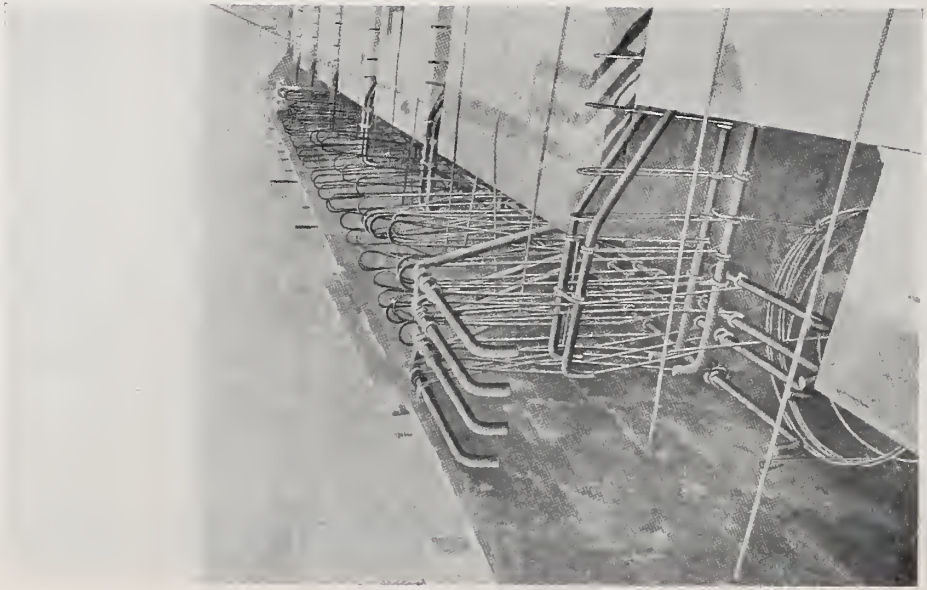
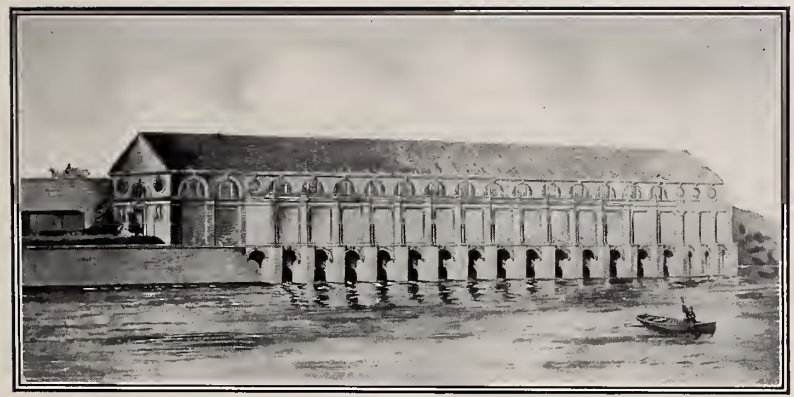
New York



McNULTY BUILDING.
Reinforcement 10th floor.



MAIN POWER HOUSE, ST. LAWRENCE POWER CO., MASSENA, N. Y.

The entire exterior of this building is Cement Béton Construction. The ornamental work is of an elaborate character and is subject to a yearly range of temperature of 140 degrees.

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HODGMAN RUBBER CO. FACTORY, TUCKAHOE, N. Y.

Showing under side of first floor.

HODGMAN RUBBER CO. FACTORY, TUCKAHOE, N. Y.
Test of floor shown on opposite page.

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BOWLING GREEN BUILDING.
246-248 West 65th Street,
New York.

TUCKER & VINTON
New York

BOWLING GREEN BUILDING.
REAR AND SIDE ELEVATION.
Note how closely the brick panels follow the reinforced concrete structural work.

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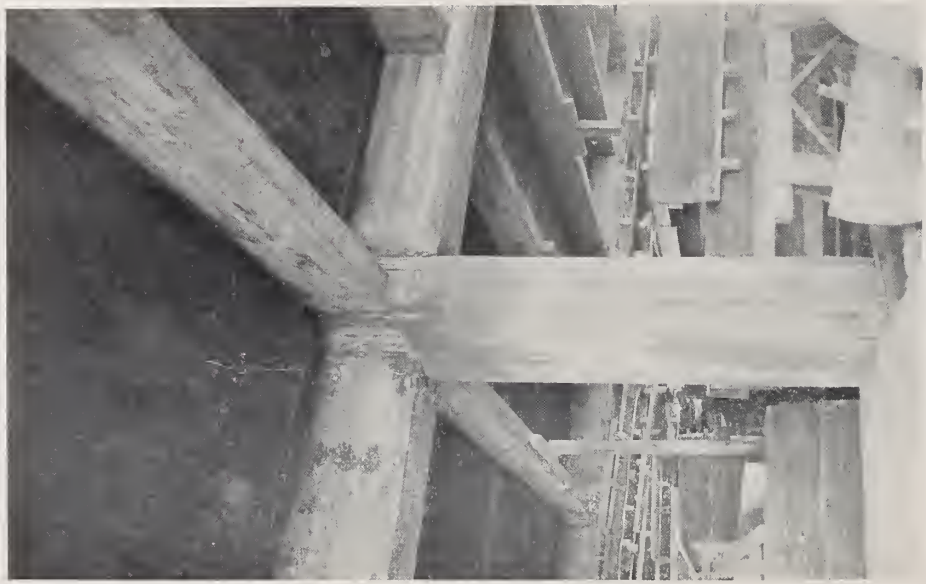
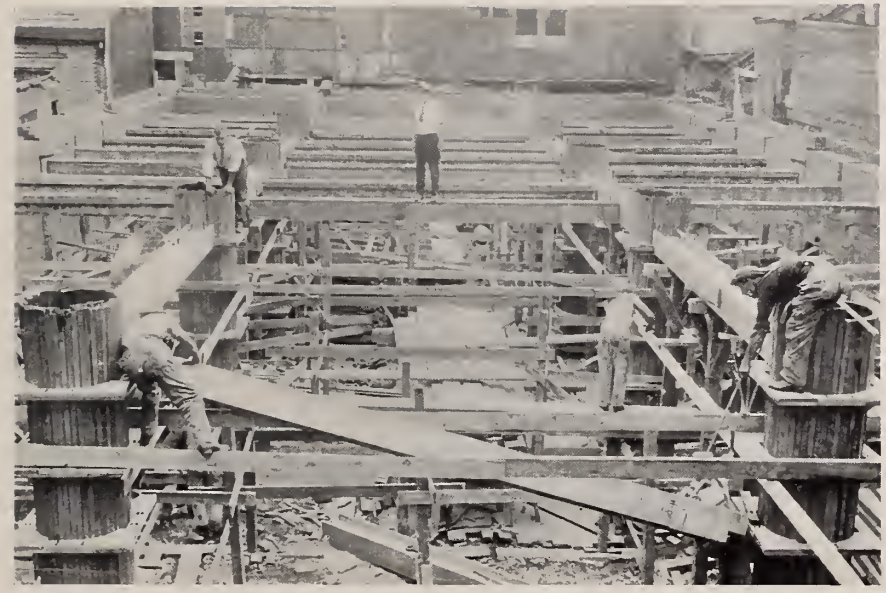


BOWLING GREEN BUILDING.
Interior—Centers drawn.



BOWLING GREEN BUILDING.
Showing manner of placing first floor centers.

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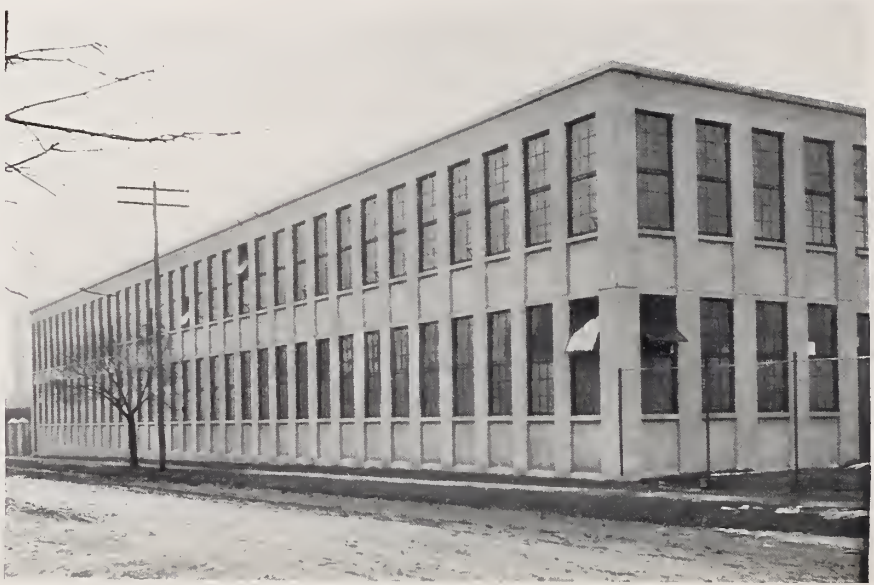
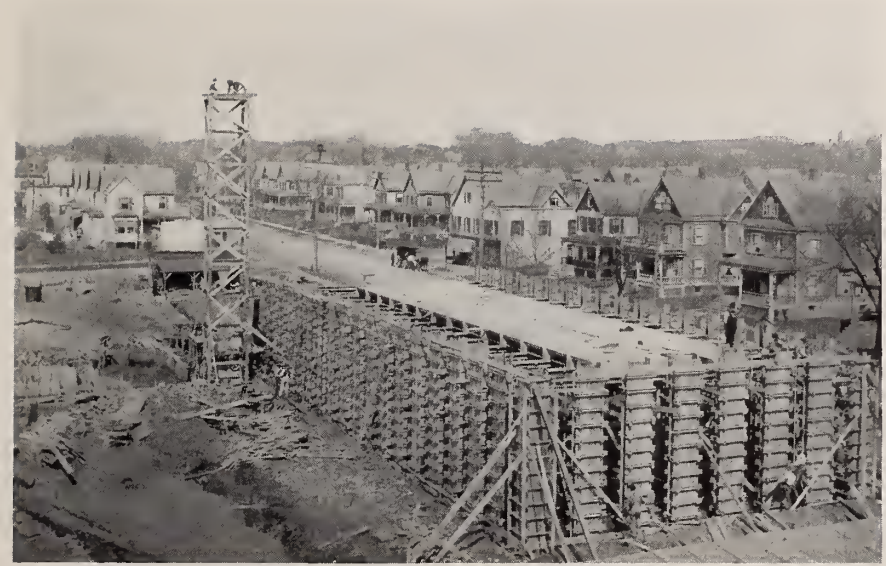


FACTORY, RUSHMORE DYNAMO WORKS,
PLAINFIELD, NEW JERSEY.



FACTORY, RUSHMORE DYNAMO WORKS,
PLAINFIELD, NEW JERSEY.
Showing methods of centering.

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POWER HOUSE, RUSHMORE DYNAMO WORKS,
PLAINFIELD, NEW JERSEY.

STOLLWERCK BROS. CHOCOLATE FACTORY, STAMFORD, CONN.
The building is 500 feet long and 100 feet wide.

EXTERIOR OF STOLLWERCK FACTORY.
Showing saw-tooth roof on fifty foot spans.

STOLLWERCK FACTORY.
An example of concrete molded in place. The cantilever is 9 feet 6 inches.

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STOLLWERCK FACTORY.
Showing hollow roof construction.

INTERIOR STOLLWERCK FACTORY.
Showing saw-tooth on fifty foot span.

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FILTRATION PLANT FOR ITHACA WATERWORKS CO.,
ITHACA, N. Y.
Clear Water Basin, during construction of walls.

FILTRATION PLANT FOR ITHACA WATERWORKS CO.,
ITHACA, N. Y.
Interior of Coagulating Basin, showing method of laying concrete in bottom.

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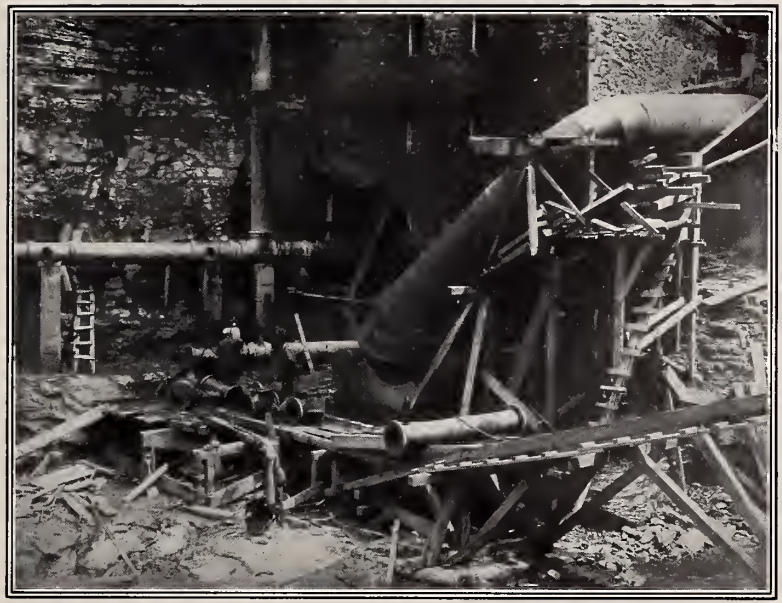
FILTRATION PLANT FOR ITHACA WATERWORKS CO.,
ITHACA, N. Y.
Interior of Clear Water Basin.



FILTRATION PLANT FOR ITHACA WATERWORKS CO.,
ITHACA, N. Y.
Pumping Station—showing heavy piping and connections.

DAM AT SCHUYLERVILLE, NEW YORK.
Length of overflow, 250 feet; height of overflow, 26 feet; total length over 400 feet.

SCHUYLERVILLE DAM.
View of interior.

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SCHUYLERVILLE DAM.
Showing method of construction.

SCHUYLERVILLE DAM.
Showing method of centering.

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BRIDGE AT DERBY, CONN.
Length, 284 feet; width of roadway, 54 feet.

DERBY BRIDGE.
Showing centering and reinforcement in place ready for concrete.

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DERBY BRIDGE.
Excavating for west abutment.

REINFORCED CONCRETE BRIDGE AT MAMARONECK, N. Y.

BRICK FACED STEEL-CONCRETE DAM, ITHACA, N. Y.

STEEL-CONCRETE DAM, ITHACA, N. Y.

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General View—showing Gate House and Intake Tower

The longitudinal reinforcement consists of 3 x 3/16 inch steel bands spaced 4 feet center to center, interlaced with wire mesh on intrados and extrados of arch, and connected transversely with 5/8 inch tie rods. Height, 40 feet; length on crest, 130 feet.

Showing method of construction.

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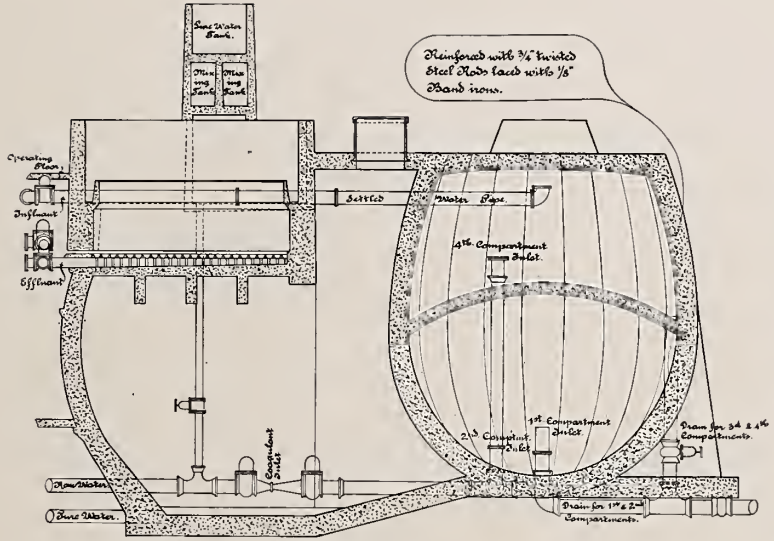
STEEL-CONCRETE MECHANICAL FILTER, CORNELL UNIVERSITY.
General View—before construction of outside walls.



STEEL-CONCRETE MECHANICAL FILTER, CORNELL UNIVERSITY.
Sectional View—showing main walls, etc., of reinforced concrete monolithic and water tight.

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SLOW SAND FILTRATION PLANT, YONKERS N. Y.

SLOW SAND FILTRATION PLANT, YONKERS N. Y.
Interior of Clear Water Basin.

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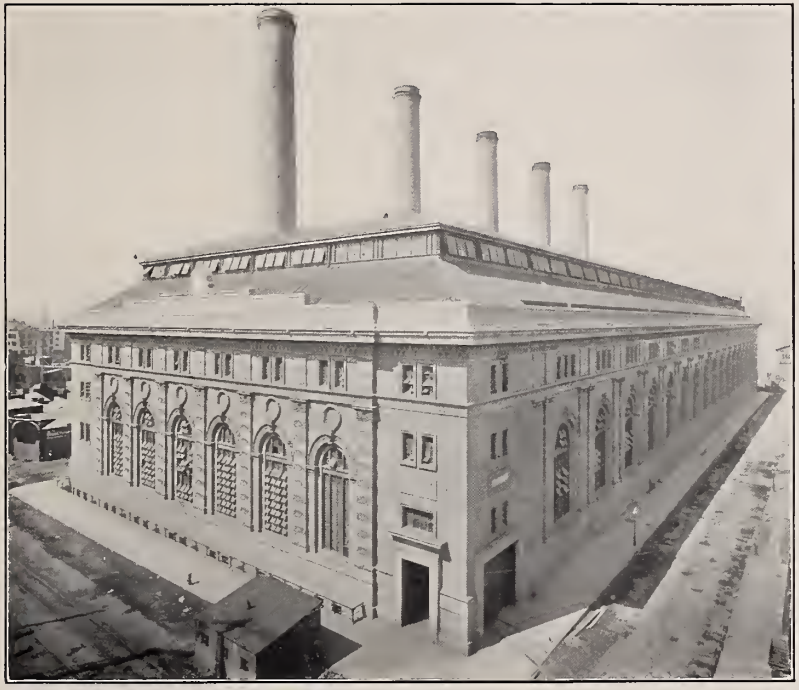
BRIDGE ON ATLANTIC AVENUE FOR LONG ISLAND RAILROAD CO.



MAIN POWER HOUSE—Interborough R. R.
Floor Construction, Hot Wells, Coal Pockets, etc., constructed in reinforced concrete.

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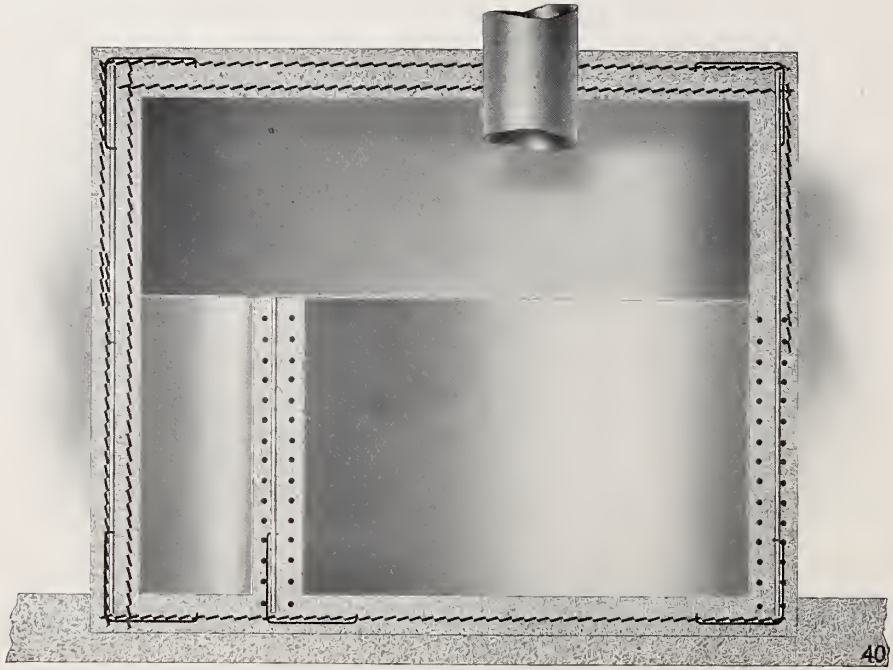
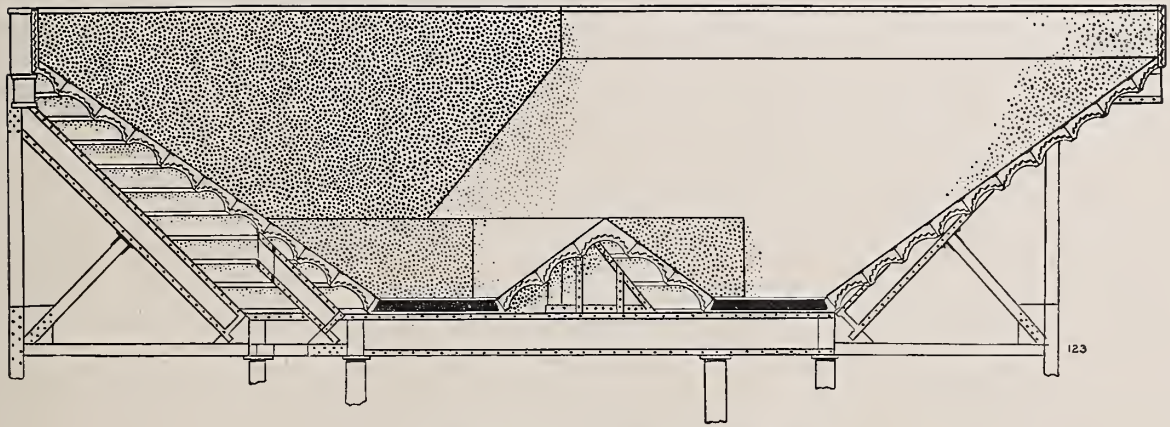
New York



ONE OF 18 HOT WELLS IN 59TH STREET POWER HOUSE.

TUCKER & VINTON
New York



COAL POCKET IN 59TH STREET POWER HOUSE.

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CAR BARN, 148TH STREET AND 7TH AVENUE, NEW YORK.
FOR INTERBOROUGH R. R. CO.

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DETAIL OF CONSTRUCTION USED IN 148TH STREET
REPAIR SHOP OF THE INTERBOROUGH R. R. Co.

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DWELLING FOR J. A. SCRYMSER, SEABRIGHT, N. J.

DETAIL OF ENTRANCE, SCRYMSER HOUSE, SEABRIGHT, N. J.

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NOSTRAND AVENUE STATION OF LONG ISLAND RAILROAD CO.

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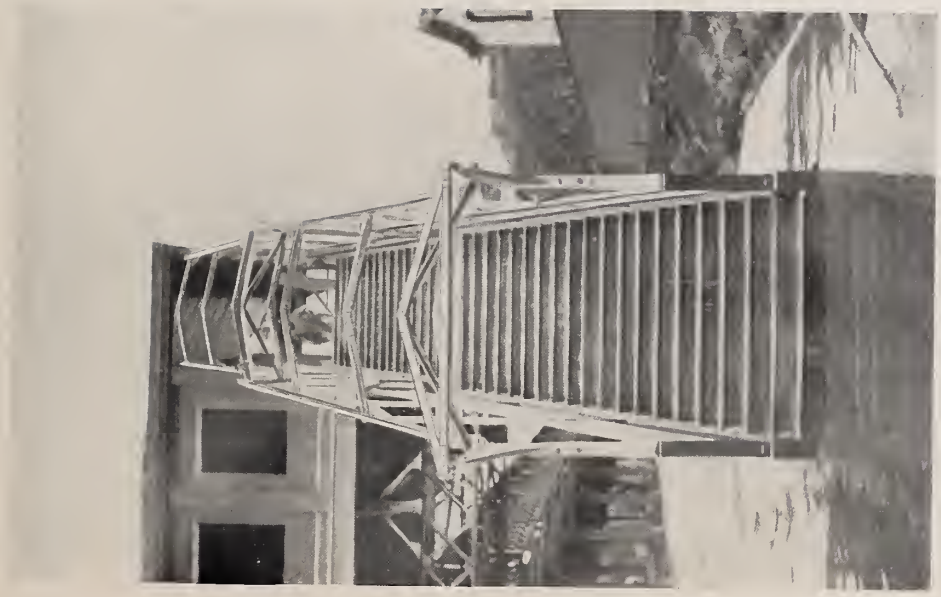

STAIRS FOR STATION ON LONG ISLAND RAILROAD.

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AVENUE H STATION ON THE BRIGHTON BEACH LINE
OF THE BROOKLYN RAPID TRANSIT SYSTEM.

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AVENUE H STATION ON THE BRIGHTON BEACH LINE
OF THE BROOKLYN RAPID TRANSIT SYSTEM.

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DETAIL OF FENCE ON AVENUE H STATION.
This fence is molded in place and the panels are but 2¼ inches thick.

SOUTH SIDE OF NEWKIRK AVENUE STATION ON BRIGHTON BEACH LINE
OF THE BROOKLYN RAPID TRANSIT SYSTEM.

L. of C.

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NORTH SIDE OF NEWKIRK AVENUE STATION ON BRIGHTON BEACH LINE
OF THE BROOKLYN RAPID TRANSIT SYSTEM.

DETAIL OF BRIDGE AND WAITING ROOM OF NEWKIRK AVENUE STATION.

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PERGOLA FOR STANFORD WHITE, ST. JAMES, LONG ISLAND.

DETAIL OF CAPITAL AND BASE OF COLUMNS SHOWN ON OPPOSITE PAGE.

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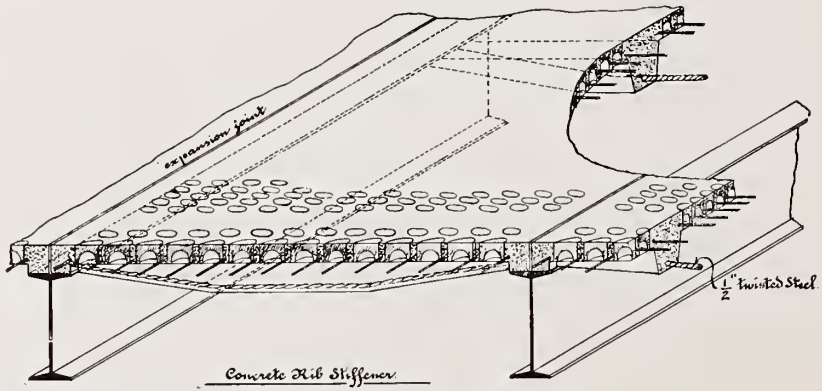
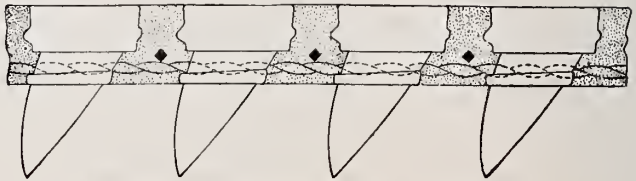


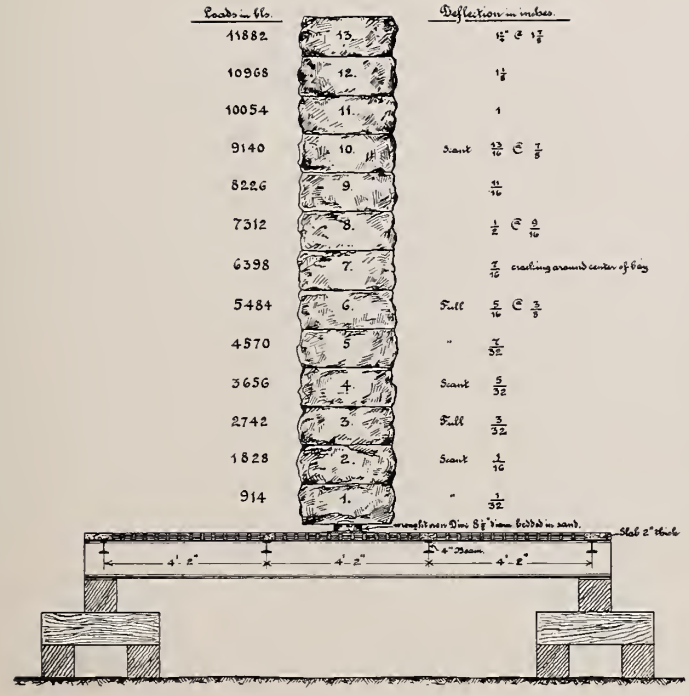
Section—showing typical details.

Section, through vault light slab. Bullseye lense.



Section through vault light slab. Luxfer lense.

STEEL-CONCRETE VAULT LIGHTS.
Showing method of construction.



TEST OF STEEL-CONCRETE VAULT LIGHTS SHOWING LOADS AND DEFLECTIONS.

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STEEL-CONCRETE VAULT LIGHTS AT 59TH STREET STATION, NEW YORK SUBWAY.

CAR BARN, 9TH AVENUE AND 20TH STREET, BROOKLYN, FOR THE BROOKLYN RAPID TRANSIT CO.
Length, 230 feet; width, 200 feet.

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CAR BARN, 179TH STREET AND BOSTON ROAD, FOR THE INTERBOROUGH R. R. CO.

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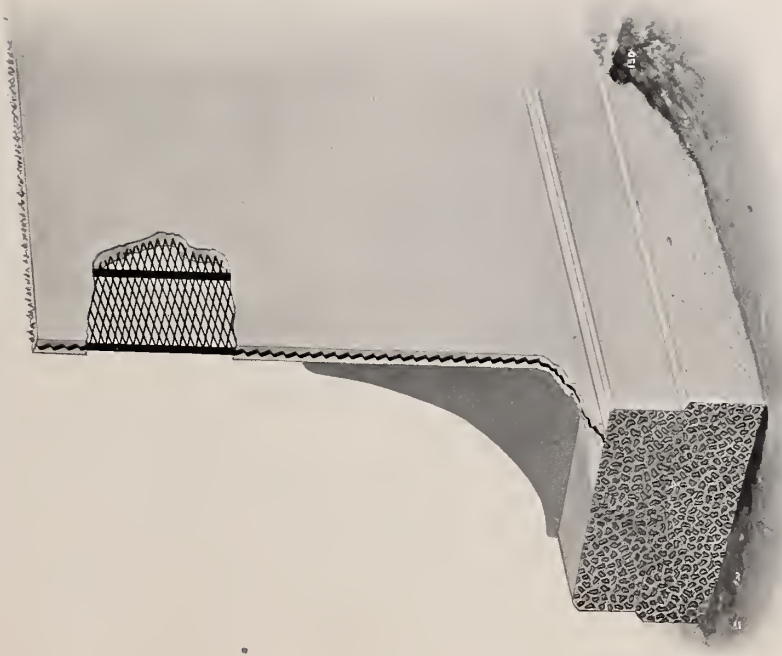

CONCRETE FENCE AT 148TH STREET, FOR INTERBOROUGH R. R. Co.

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